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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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PATENT

Docket No. 5634.121

S. Ford
6/21/96Inventors: John C. Harvey and James W.
Cuddihy

Serial No.: 08/447,496

Group Art Unit: 2602/348

Filing Date: May 23, 1995

Examiner:

For: Signal Processing Apparatus and
MethodsAssistant Commissioner for Patents
Washington D.C. 20231SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449.

The above-referenced application claims priority under 35 U.S.C. § 120 of the following applications:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patent No.</u>
08/113,329	August 30, 1993	Pending
08/056,501	May 3, 1993	5,335,277
07/849,226	March 10, 1992	5,233,654
07/588,126	September 25, 1990	5,109,414
07/096,096	September 11, 1987	4,965,825

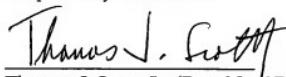
Applicants believe that all references cited on the attached Form PTO-1449 were submitted to the PTO in co-pending U.S. Patent Application Serial No. 08/448,143, filed 23 May 1995. Therefore, no copies of the listed references are provided herewith.

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

CERTIFICATION AND/OR FEE

Since this IDS is being filed pursuant to 37 C.F.R. § 1.97(b) before the later of three months after the filing date of the above-referenced application or the date of receipt of the first Office Action on the merits, no certification or fee is required.

Respectfully submitted,


Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: April 4, 1996

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Sheet 1 of 34

Supplemental Information Disclosure Statement by Applicant	Attorney Docket No. 5634.121	Serial No. 08/447,496
	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date May 23, 1995	Group 2602/348
Title: Signal Processing Apparatus and Methods		

U. S. Patent Documents

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
	2,510,046	5/30/50	Ellett, et al.	178/5.6	
	2,619,530	11/25/52	Roschke	178/5.1	
	2,892,882	6/30/59	Hughes	178/5.1	
	2,972,008	2/14/61	Ridenour, et al.	178/5.1	
	3,304,416	2/14/67	Wolf	235/92	
	3,336,437	8/15/67	Brouard, et al.	178/5.4	
	3,478,164	11/11/69	Southworth	178/6.6	
	3,576,391	4/27/71	Houghton	178/5.6	
	3,683,111	8/8/72	Southworth	178/6	
	3,726,992	4/10/73	Eguchi, et al.	178/5.6	
	3,728,480	4/17/73	Baer	178/6.8	
	3,743,767	7/3/73	Bitzer, et al.	178/5.6	
	3,875,329	4/1/75	Nagel	178/6.8	
	3,927,250	12/16/75	Rainger	178/5.6	
	3,950,607	4/13/76	Southworth, et al.	178/6	

Examiner	Date Considered
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U. S. Patent Documents

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
	3,961,137	6/1/76	Hutt, et al.	178/68	
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	4,057,829	11/8/77	Moorehead	358/86	
	4,104,681	8/1/78	Saylor, et al.	358/141	
	4,148,066	4/3/79	Saylor	358/127	
	4,175,267	11/20/79	Tachi	358/4	
	4,199,656	4/22/80	Saylor	178/66.1	
	4,290,062	9/15/81	Marti, et al.	340/721	
	4,303,940	12/1/81	Ciciora	358/142	
	4,303,941	12/1/81	Marti, et al.	358/147	
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	4,335,402	6/15/82	Holmes	358/147	
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	4,352,011	9/28/82	Guillou	235/375	
	4,367,488	1/4/83	Leventer, et al.	358/147	

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U. S. Patent Documents

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
	4,388,639	6/14/83	Cox, et al.	358/27	
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	4,393,404	7/12/83	Cox, et al.	358/147	
	4,400,717	8/23/83	Southworth, et al.	358/13	
	4,439,761	3/27/84	Fleming, et al.	345/189	
	4,449,145	5/15/84	Ciciora	358/147	
	4,458,268	7/3/84	Ciciora	358/120	
	4,520,392	5/28/85	Cox et al.	358/147	
	4,734,907	3/29/88	Turner	370/60	9/6/85

*- If pertinent

***- Claims priority from parent application filed prior to Sep. 11, 1987.

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Title: Signal Processing Apparatus and Methods		

Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country	Class / Subclass	Translation Yes	Translation No
	WO 85/03604	8/15/85	PCT Application	H03K 3/84		X
	0 132 007	1/23/85	European Patent Office	H04N 7/16		X
	2 033 699	5/21/80	Great Britain	H04L 1/10, 1/40		X
	2 058 681	6/15/72	Germany	H04N 7/08	X	
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Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
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Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
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Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Schmodel, S., "TV Systems Enabling Viewers to Call Up Printed Data Catch Eye of Media Firms," newspaper article, <i>The Wall Street Journal</i> , Tuesday, July 24, 1979, p. 46.
	Braden, R., "A Server Host System on the ARPANET," Proceedings, Fifth Data Communications Symposium, September 27-29, 1977, p. 4-1 - 4-9.
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	Hedger, J., "Broadcast Telesoftware: Experience with ORACLE," 1980, pp. 413-429.
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	Crowther, G.O., "Dynamically Redefinable Character Sets - D.R.C.S.," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, November 1980, pp. 707-716.
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	Hanas, O. J., et al., "An Addressable Satellite Encryption System for Preventing Signal Piracy," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-27, November 1981, pp. 631-635.
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	Davies, D.W., et al., <u>Computer Networks and Their Protocols</u> , John Wiley & Sons, 1979, pp. v-xiii and 390-417.

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Title: **Signal Processing Apparatus and Methods****Other Documents**

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	Popek, G.J., et al., "Encryption and Secure Computer Networks, <u>Computing Surveys</u> , Vol. 11, No. 4, December 1979, pp. 331-356.
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Supplemental Information Disclosure Statement by Applicant	Attorney Docket No. 5634.121	Serial No. 08/447,496
	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date May 23, 1995	Group 2602/348

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Supplemental Information Disclosure Statement by Applicant Title: Signal Processing Apparatus and Methods	Attorney Docket No. 5634.121	Serial No. 08/447496
	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date May 23, 1995	Group 2602/348

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Supplemental Information Disclosure Statement by Applicant	Attorney Docket No. 5634.121	Serial No. 08/447,496
	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date May 23, 1995	Group 2602/348
Title: Signal Processing Apparatus and Methods		

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	Applicant(s) John C. Harvey and James W. Cuddihy	
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	Applicant(s) John C. Harvey and James W. Cuddihy	
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Supplemental Information Disclosure Statement by Applicant Title: Signal Processing Apparatus and Methods	Attorney Docket No. 5634.121	Serial No. 08/447,496
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	Group 2602/348	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
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RECEIVED PATENTS

In re Application of : GROUP 260
John C. Harvey and James W. Cuddihy : Examiner:
Serial No. 08/447,496 : Group Unit: 2602
Filed 23-May-95 : Atty Dkt: 5634.121

For SIGNAL PROCESSING APPARATUS AND METHODS

COPENDING RELATED U.S. PATENT APPLICATIONS

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

Listed below are copending U.S. patent applications related to this application.

<u>Application No.</u>	<u>Filing Date</u>	<u>Atty. Dkt.</u>
08/113,329	30-Aug-93	5634.008
08/397,371	2-March-95	5634.017
08/397,582	2-March-95	5634.010
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08/435,757	9-May-95	5634.036
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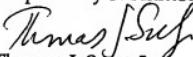
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REMARKS

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a), Applicants herewith submit a reference to all related copending U.S. Patent Applications now pending before the U.S. Patent and Trademark Office.

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